

2000-220963

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Docket Number: 879387  
Date of Filing: July 21, 2000  
To: Director of the Patent Office, Esq.  
IPC: G02F 1/13  
G02F 1/13363  
Title of the Invention: Liquid crystal alignment regulator,  
liquid crystal composition, optical  
anisotropic element and process for  
aligning liquid crystal molecules

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List of the Filed Material:  
Name of the material;  
Specification one (1)  
Abstract one (1)

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Name of Documents: Patent Application  
Docket Number: 879785  
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IPC: G02F 1/1337  
Title of the Invention: Hydrophobic excluded volume effect compound

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List of the Filed Material:  
Name of the material;  
Specification one (1)  
Drawing one (1)  
Abstract one (1)

Figure 1 shows the typical microstructures of the as-cast and heat-treated samples. The as-cast sample shows a typical dendritic structure, while the heat-treated samples show a more uniform, fine-grained structure. The grain size of the heat-treated samples is significantly smaller than that of the as-cast sample, indicating a successful grain refinement process.

List of the Filed Material:

| Name of the material; |         |
|-----------------------|---------|
| Specification         | one (1) |
| Drawing               | one (1) |
| Abstract              | one (1) |